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percolations of water. Consequently, much of the fossil flora has both near relatives and living representatives.

Among the fossil plants enumerated are *Pistacia Terebinthus*, L., and var. *ovalifolia*, Tornabene, *P. lentiscus*, L., *P. Sicula*, Tornabene, *P. Bossoni*, Tornabene, *Prunus spinosa*, Duhamel, *Rubus Dalmaticus*, Tratt (*R. fruticosus*, var. *Dalmaticus*, De Candolle et auctores alteri), *R. tomentosus*, Willd., *Pyrus communis*, L., *Myrtus communis*, L., and var. *Italica*, L., var. *Romana*, L., *M. latifolia*, Tornabene; *Vitex agnus-castus*, L., and var. *latifolia*, Tornabene; *Laurus nobilis*, L.

2. *The Circulation of Sap in Plants*, by W. S. Clark, Pres. Mass. Agric. Coll., Boston, 1874. This lecture was noticed in our Dec. No. It is now published in pamphlet form, with fuller details.

3. *The Flora of Chicago and Vicinity. Supplementary.* H. H. Babcock, reprinted from the *Lens*; about fifty additional species or varieties are here added, the most interesting of which are the willows, particularly *S. cordata*, var. *glaucophylla*, and *S. adenophylla*, Hook.

4. Schedule of Prizes offered by the Mass. Hort. Soc., for the year 1874, Boston.

5. *The Eclectic Ruralist*, Vol. II., No. 1. Rochester, February, 1874.

6. Mr. George C. Woolson, 245, Broadway, N. Y., has had printed for his own convenience an index to Torrey and Gray's Flora, Vol. II., which he will send to any one who may desire it, on receipt of a stamped envelope.

§ 79. Additions to the Bryology of the United States, by Chas. Mohr.

NO. II.

Description of two new species of mosses from the Southern United States, by Prof. Dr. KARL MUELLER, Halle.

Bartramia (Philonotis) Mohriana, C. Müller, *n. sp.* Dioica? *caulis robustiusculus* ubique densifolius, inferne fusco-radiculosus, ramulis, crassiusculis inequalibus plerumque brevibus et strictis nonnullis coronatus, breviusculus; *folia caulina undique inserta, madore et siccitate patenti-patula strictissima*, sordide lutescentia, *latiuscula*, perfecte lanceolata longe acuminata aristatula, longitudinaliter indistincte plicata, basi sæpius cavernosula, igitur irregulariter concava, margine angustissime revoluta, apice dense serrulato-denticulata inferne ob papillas prominentes nodulosa, nervo profunde canaliculato in aristam excedente furcata, *e cellulis angustis elongatis linearibus pellucidis laxis reticulata igitur tenuiter membranacea et flaccidula, valde punctato-papillosa*; perich. caulinis similia sed ba si

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